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Digital Download Catalog

Surge Suppression products for Fire Systems

Transient Voltage Surge Suppressors
Protection for Systems & Devices
Commercial and Residential Applications

•AC and DC Circuit Protectors • AC Plug-In Protectors • Card Access System Protectors • Motor Control
•Data Line Protectors • Fire Alarm / Loop Protectors • Gate Entry System •Generator Transfer Switch Protectors
• HVAC System Protectors • LAN Protectors • Lightning System Protectors • Main Panel & Sub Panel Protectors
•Modem Protectors •Protectors • Recreational Vehicle Protectors • Video Camera & Monitor Protectors
•Relay Protectors • Robotics System Protectors • Satellite Protectors • UPS System Protectors

120 HBCP 20 or 120 HBCP 20 CB: 120 Volt AC 3-Wire Single Phase (20 Amp) CB indicates built-in circuit breaker. This is a hardwired in-line series (AC) surge suppressor and is designed to protect branch circuits, fire alarm or dedicated PLC equipment with a maximum current draw of 20 amps. It provides both common and normal three-phase noise filtration. Rated 400V peak (actual 336V peak) for L-N, L-G, N-G. This unit is available with (120HBCP20CB) or without (120HBCP20) a circuit breaker.

ILCP Series Models: These are UL listed 497B in-line series screw terminal multi-stage hybrid devices. These units are designed not only to protect equipment but also reduce the incidence of false alarms due to its close clamping ability at high-induced voltages. There is a ground lug provided. Only use if you have a common ground i.e. single ground for entire system to prevent ground loops.

ILCP-30 and **ILCP-60:** FA30 is 30 Volts DC to be used on the initiating circuits and addressable loops operating at 24V DC that are drawing less than 1 amp and the FA60 is 60 Volts DC to be used on the initiating circuits and addressable loops operating above 24V DC (38V DC) that are drawing less than 1 amp.

ILCP 30 and ILCP 200: DC protectors to be used on equipment connected to your telecommunication lines i.e.RJ31X. Lines without ring voltage = 30V and with ring voltage 200V.

- For notification appliance circuits that draw up to 3 amps add BH after the part number.

120 HWCP20 or 120HWCP20 CB – 120 Volt AC 3-Wire (20 Amp) Series

120 HWCP 20 or 120 HWCP 20 CB: 120 Volt AC 3-Wire Single Phase (20 Amp) CB indicates built-in circuit breaker. This is a hardwired in-line series (AC) surge suppressor and is designed to protect branch circuits, fire alarm or dedicated PLC equipment with a maximum current draw of 20 amps. All UL listed Parts and Rated 400V peak (actual 336V peak) for L-N, L-G, N-G. This unit is available with an external circuit breaker (120HWCP20CB) or without (120HWCP20) .

Specifications – Operating:	
Maximum Operating Voltage:	120 Volts AC
Typical Leakage Current:	None
Operation Temperature:	-40 to + 85° C
Connection:	Hardwired
Lines Protected:	L/N, L/G, N/G
Circuit Breaker:	20 Amp (Only on 20 CB Model)
Installation Configuration:	In-Line Series
Specifications – Electronic:	
Maximum Surge Current (8x20µs):	30,000 Amps Total
Maximum Surge Voltage (1.2x50µs):	10,000 Volts
Clamping Voltage:	138 Volts RMS
Clamping Response Time:	<5 nanoseconds
Maximum Line Voltage:	20 Amps @ 120 VAC 50/60 Hz
Voltage:	Voltage Sensitive
Operation Indicator:	Yes – LED
Power Dissipation (8x20µs):	1500 Joules or (600,000,000 VA)
Failure Mode:	Fails Safe (Open)
Dimensions:	Depth 2 ½" Width 4 ½" Length 5" Tabs ½"
Weight:	Approximately 2.5 Lbs.

FA 30 and FA 60 - Isolated Loop Circuit Protector – Fire Alarm

FA-30: 30 Volts DC to be used on the initiating circuits and addressable loops operating at 24V DC that are drawing less than 1 amp. For notification appliance circuits (i.e. Bell, Horn or strobe) that draw up to 3 amps add NC after the part number.
FA-60: 60 Volts DC to be used on the initiating circuits and addressable loops operating above 24V DC (38V DC) that are drawing less than 1 amp. For notification appliance circuits (i.e. Bell, Horn or strobe) that draw up to 3 amps add NC after the part number.

Specifications – Operating:	FA30	FA60
Maximum Operating Voltage:	24 Volts	48 Volts DC
Typical Leakage Current:	< 5u Amps	< 5u Amps
Maximum Data Rate:	22Kbs	22Kbs
Operation Temperature:	- 40 to + 85° C	- 40 to + 85° C
Connection and Lines Protected:	Dual Terminal Blocks – 1 Pair	Dual Terminal Blocks – 1 Pair
Installation Configuration:	In-Line Series	In-Line Series
Specifications – Electronic:		
Maximum Surge Current (8x20us):	10,000 Amps Per line	10,000 Amps Per line
Maximum Surge Voltage (1.2x50us):	6,000 Volts	6,000 Volts
Capacitance:	<250 pf	<250 pf
Clamping Voltage:	30 Volts	60 Volts
Clamping Response Time:	<5 Nanoseconds	<5 Nanoseconds
Voltage:	Voltage Sensitive	Voltage Sensitive
Power Dissipation:	60,000,000 VA	60,000,000 VA
UL497 B	45MR	45MR
Pass Voltage (ANSI/IEEE B3 Impulse):	31Volts Peak	60 Volts Peak
First Stage Power Dissipation (8x20us):	10,000 Amps	10,000 Amps
Dimensions:	Depth: 1" Width: 2" Length: 1 ½" Tabs: ½" each	Depth: 1" Width: 2" Length: 1 ½" Tabs: ½" each

These are UL listed 497B in-line series screw terminal multi-stage hybrid devices. They are designed not only to protect equipment but also reduce the incidence of false alarms due to its close clamping ability at high-induced voltages. There is a ground wire provided. Only use if you have a common ground i.e. single ground for entire system to prevent ground loops.

DLT TOS 30 and DLT TOS 200 – Protector for Communication Lines

DLT TOS 30: 30V DC - used on equipment connected to your telecommunications lines without ring voltage. i.e. (RJ31X direct dial)
DLT TOS 200: 200V DC - used on equipment connected to your telecommunication lines with ring voltage. i.e.(RJ31X)

Specifications - Operating:	
Maximum Operating Voltage:	24 Volts DC - 200 Volts DC
Typical Leakage Current:	< 5u amps
Maximum Data Rate:	22 Kbps
Operation Temperature:	-40 c to +85c
Connectors and Lines Protected:	Terminal Block – One Pair
Installation Configuration:	In-Line Series
Specifications - Electronic:	
Maximum Surge Current (8 x 20us):	10,000 Amps Per Line
Maximum Surge Voltage (1.2 x 50us):	6,000 Volts
Capacitance:	<250 pf
Clamping Voltage:	31 Volts DC / 210 Volts DC
Clamping Response Time:	<5 Nanoseconds
Voltage:	Voltage Sensitive
Pass Voltage Test to ANSI/IEEE B3:	10% Above Normal
Power Dissipation (8 x 20us):	60,000,000 VA Protection Per Line
Dimension:	Depth: 1" – Width: 2" – Length: 1 ½" – Tabs: ½" each

LIFETIME WARRANTY on all Surge Protectors sold or distributed by steadyvolt.com

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